

ABSTRACT OF THE DISCLOSURE

A method and a switching router for simple scheduling of realtime data telegrams with calculable load-insensitive cycle times. A transmission cycle (4) is subdivided into three phases. In a first phase (1), only realtime data telegrams are sent; in a second phase (2), realtime and non-realtime data telegrams are sent; and in a third phase (3), the transmission of long non-realtime data telegrams is suppressed. Short filler telegrams can be sent during the phase (3). This ensures that data transmission of the realtime data telegrams will proceed smoothly. Transmission in certain phases is regulated by the priorities assigned to the data telegrams.